

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: ERIC J. BERGMAN *ET AL.*

APPLICATION No.: NOT YET ASSIGNED

FILED: NOVEMBER 10, 2003

FOR: **SINGLE WAFER CLEANING WITH OZONE**

EXAMINER:

ART UNIT:

CONF. NO:

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

1. Timing of Submission

This information disclosure is being filed concurrently with the above-referenced patent application. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application.

2. Observations

The cited references were made of record in one or more related or similar applications. Applicant observes that Matsuoka/Chlorine Engineers EP 548 596 has often been applied against claims in both U.S. and foreign equivalent applications. Other references applied against claims include:

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Certificate of Mailing

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as "Express Mail Post Office to Addressee" in an envelope addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Label No.: EV 254990082US Name of Person Mailing Paper: Debbie Gilbert

Date of Deposit: Nov. 25, 2003 Signature of Person Mailing Paper: Debbie Gilbert

Serial No. 09/811,925 - Examiner: El Arini

Ohmi	5,487,398
Fukazawa	5,810,940
Mathews	5,464,480
Schellenberger et al.	5,714,203
Lampert et al.	5,181,985
Otsuko	JP H03-208900
Wada	JP 62-117330
Kajiti	JP 8-8222

Serial No. 09/621,028 - Examiner: El Arini

Bergman	5,232,511
Li	5,749,975

Serial No. 09/536,251 - Examiner: Stinson

Texas Instruments	EP 781 177
Fujitsu Ltd.	JP H04-125927
Nakajima	5,571,367
Hitachi	JP 4-302144

Serial No. 10/420,659 - Examiner: Stinson

Koizumi	5,503,708
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Serial No. 09/837,722 - Examiner: Stinson

	EP 781 177
Lorimer	5,063,609
Nakajima et al.	5,571,367

Serial No. 09/677,925 - Examiner: Stinson

Lorimer	5,063,609
Koizumi	5,503,708
Nakajima et al.	5,571,367
Hitachi Zosen	JP 05-013398

**Serial No. 09/929,437 - Examiner: El Arini**

Kamikawa et al.	6,299,969 B2
Koizumi	5,503,708
Miyazaki et al.	5,950,643

**Serial No. PCT/US99/08516**

Yoneda	5,896,875
Mashimo	5,415,191

Other references listed on the attached PTO-1449 may also have been applied against one or more claims in parent or related applications.

3. **Cited Information**

Copies of foreign documents are enclosed.

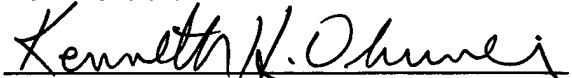
4. **Effect of Information Disclosure Statement (37 C.F.R. § 1.97(h))**

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

5. **Fee Payment**

No fees are believed due because this Information Disclosure Statement is being filed concurrently with the filing of the above-referenced patent application.

Respectfully submitted,  
Perkins Coie LLP

  
Kenneth H. Ohriner, Reg. No. 31,646

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

**COMPLETE IF KNOWN**

Application Number	Not Yet Assigned
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First Named Inventor	Eric J. BERGMAN
Group Art Unit	
Examiner Name	

Sheet

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of

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Attorney Docket No. 54008.8100.US01 (P01-0015US2)

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
AA	4,186,032			Ham	01/29/80	
AB	4,749,440			Blackwood et al.	06/07/88	
AC	4,817,652			Liu	04/04/89	
AD	4,917,123			McConnell et al.	04/17/90	
AE	4,974,530			Lyon	12/04/90	
AF	5,032,218			Dobson	07/16/91	
AG	5,055,138			Slinn	10/08/91	
AH	5,063,609			Lorimer	11/05/91	
AI	5,071,485			Matthews et al.	12/10/91	
AJ	5,105,556			Kurokawa et al.	04/21/92	
AK	5,120,370			Mori et al.	06/09/92	
AL	5,160,378			Tuunananen	11/03/92	
AM	5,181,985			Lampert et al.	01/26/93	
AN	5,232,511			Bergman	08/03/93	
AO	5,232,870			Ito et al.	08/03/93	
AP	5,234,540			Grant et al.	08/10/93	
AQ	5,235,995			Bergman et al.	08/17/93	
AR	5,244,000			Stanford et al.	09/14/93	
AS	5,246,526			Yamaguchi et al.	09/21/93	
AT	5,248,380			Tanaka	09/28/93	
AU	5,308,745			Schwartzkopf	05/03/94	
AV	5,326,406			Kaneko et al.	07/05/94	
AW	5,366,757			Lin	11/22/94	
AX	5,372,651			Kodama	12/13/94	
AY	5,378,317			Kashiwase et al.	01/03/95	
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BA	5,447,640			Omi	09/05/95	
BB	5,464,480			Matthews	11/07/95	
BC	5,503,708			Koizumi et al.	04/02/96	
BD	5,520,744			Fujikawa et al.	05/28/96	
BE	5,571,367			Nakajima et al.	11/05/96	
BF	5,626,769			Sawamoto	05/06/97	
BG	5,632,847			Ohno et al.	05/27/97	
BH	5,647,386			Kaiser	07/15/97	
BI	5,658,615			Hasebe et al.	08/19/97	
BJ	5,705,089			Sugihara et al.	01/06/98	
BK	5,706,842			Caimi et al.	01/13/98	
BL	5,714,203			Schellenberger et al.	02/03/98	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

[54008.8100.US01/LA033290.002]

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Sheet 2 of 3 Attorney Docket No. 54008.8100.US01 (P01-0015US2)

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		NUMBER	Kind Code (if known)			
BM	5,730,806			Caimi et al.	03/24/98	
BN	5,749,975			Li et al.	05/12/98	
BO	5,762,755			McNeilly et al.	06/09/98	
BP	5,776,296			Matthews	07/07/98	
BQ	5,803,982			Kosofsky et al.	09/08/98	
BR	5,810,940			Fukazawa	09/22/98	
BS	5,832,177			Shingawa	11/03/98	
BT	5,845,662			Summitsch	12/08/98	
BU	5,858,107			Chao et al.	01/12/99	
BV	5,896,875			Yoneda	04/27/99	
BW	5,911,837			Matthews	06/15/99	
BX	5,916,366			Ueyama et al.	06/29/99	
BY	5,944,907			Ohmi	08/31/99	
BZ	5,950,643			Miyazaki et al.	09/14/99	
CA	5,964,952			Kunze-Concewitz	10/12/99	
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CC	5,971,368			Nelson et al.	10/26/99	
CD	6,030,932			Leon et al.	02/29/00	
CE	6,146,469			Toshima	11/14/00	
CF	6,249,933			Berfield	06/26/01	
CG	6,267,125			Bergman et al.	07/31/01	
CH	6,273,108			Bergman et al.	08/14/01	
CI	6,299,696			Kamikawa et al.	10/09/01	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent or Application		Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	NUMBER				
CJ	JP	52-012063		Hiroshi Ikeda	04/04/1977		X
CK	JP	S61-004232		Yukinobu Tanno et al.	01/10/1986		X
CL	JP	62-117330		Sanyo Elec. Co., Ltd.	05/28/1987		
CM	JP	63-110732		NEC Corp.	05/16/1988		
CN	JP	64-042129		Hitachi Ltd.	02/14/1989		
CO	EP	0 344 764		Wacker Chemitronic	12/06/1989		
CP	JP	H01-262627		Nippon Denki, K.K.	10/19/1989		X
CQ	JP	03-072626		Dainippon Screen Mfg. Co., Ltd.	03/27/1991		X
CR	JP	H03-208900		Nippon Steel Corp.	09/12/1991		X
CS	JP	H04-125927		Fujitsu, Ltd.	04/27/1992		X

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Sheet **3** of **3** Attorney Docket No. **54008.8100.US01 (P01-0015US2)**

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		NUMBER	Kind Code (if known)				
CT	JP	H04-298038		Hitachi Cable, Ltd.	10/21/1992		X
CU	JP	04-302144		Hitachi, Ltd.	10/26/1992		
CV	JP	04-302145		Hitachi Ltd.	10/26/1992		
CW	JP	04-370931		Hitachi Zosen Corp.	12/24/1992		X
CX	JP	05-013398		Hitachi Zosen Corp.	01/22/1993		X
CY	JP	05-109686		Nippon Steel Corp.	04/30/1993		
CZ	EP	0 548 596 A2		Chlorine Eng. Corp. Ltd.	06/30/1993		X
DA	JP	05-259139		Hitachi Ltd.	10/08/1993		
DB	JP	05-283389		NEC Corp.	10/29/1993		X
DC	JP	06-204130		Mitsubishi Electric Corp.	07/22/1994		X
DD	JP	07-159980		Nikon Corp.	06/23/1995		
DE	JP	08-008222		Sony Corporation	01/12/1996		
DF	EP	0 702 399		Siemens AG	03/20/1996		
DG	JP	08-160032		Toshiba Corp.	06/21/1996		
DH	EP	0 782 177 A2		Texas Instruments Incorporated	07/02/1997		X
DI	WO	99/52654		Bergman et al.	10/21/1999		X
DJ	JP	52-100473		Yamanouchi Pharm.	08/23/1977		
DK	JP	64-008630		Tokyo Electron Ltd.	01/12/1989		
DL	JP	63-016127		Yamaha Motor Co. Ltd.	01/23/1988		
DM	JP	03-041729		Tokyo Electron Ltd.	02/22/1991		
DN	JP	01-192712		Nippon Mining Co. Ltd.	08/02/1989		

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T

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